This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Previously Presented)** A glass having a SOC of about 1–2, a CR of about 3 or less and a SR of about 5 or less, comprising in mole percent based on oxide:

SiO_2	55-≤70
PbO	30-38
Na_2O	>0-4.5
K_2O	0-2.5

>0 - 5% Al_2O_3,
>0 - 5% ZrO_2, and
essentially free of TiO_2.

2. **(Previously Presented)** A glass according to claim 1, comprising in mole percent based on oxide:

Al_2O_3	0.1 – 5.0
ZrO_2	0.1 -5.0
Sum $Al_2O_3 + ZrO_2$	>0-8

3. **(Original)** A glass according to claim 1 further comprising in mole percent based on oxide:

ZnO	0-5.0
As_2O_3	>0-0.4

4. **(Previously Presented)** A glass having a SOC of less than about 1, a CR of about 4 or less, and a SR of about 5 or less, and comprising in mole percent based on oxide:

SiO_2	49-60
PbO	33-45
Na_2O	>0-3.5
K_2O	0-2.5

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

5. (Previously Presented) A glass according to claim 4, comprising in mole percent based on oxide:

Al_2O_3	0.1-5.0
ZrO_2	0.1-5.0
Sum $Al_2O_3 + ZrO_2$	>0-8

6. (Original) A glass according to claim 4 further comprising in mole percent based on oxide:

ZnO	0-5.0
As_2O_3	>0-0.4

7. (Previously Presented) A glass having a SOC of about 1-2, a CR of about 3 or less, and a SR of about 5 or less, and made by adding together and melting, in mole percent:

SiO_2	55-≤70
PbO	30-38
Na_2O	>0-4.5
K_2O	0-2.5

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

8. (Previously Presented) A glass having a SOC of less than about 1, a CR of about 4 or less, and a SR of about 5 or less, and made by adding together and melting, in mole percent:

SiO_2	49-60
PbO	33-45
Na_2O	>0-3.5
K_2O	0-2.5

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

9. (Previously Presented) A glass having a SOC of less than 2, a CR of 3 or less, and a SR of 5 or less, and comprising in mole percent based on oxide:

SiO_2	49-$\leq$70
PbO	30-45
Na_2O	0-5
K_2O	0-3
Sum $Na_2O + K_2O$	>0-5
Sum $B_2O_3 + Al_2O_3 + Y_2O_3 + La_2O_3 + ZnO + MoO_3 + TaO_5 + ZrO_2 + WO_3 + In_2O_3$	0-10

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

10. (Previously Presented) A glass having a SOC of 1-2, a CR of 3 or less, and a SR of 5 or less, and comprising in mole percent based on oxide:

SiO_2	49-≤70
PbO	30-45
Na_2O	0-5
K_2O	0-3
Sum $Na_2O + K_2O$	>0-5
Sum $ZrO_2 + Al_2O_3$	>0-8

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

11. (Canceled)

12. (Previously Presented) A glass having a SOC of 1-2, a CR of 3 or less, and a SR of 5 or less, and made by adding together and melting, in mole percent:

SiO_2	49-≤70
PbO	30-45
Na_2O	0-5
K_2O	0-3
Sum $Na_2O + K_2O$	>0-5
Sum $B_2O_3 + Al_2O_3 + Y_2O_3 + La_2O_3 + ZnO + MoO_3 + TaO_5 + ZrO_2 + WO_3 + In_2O_3$	0-5

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

13–18. (Canceled)

19. (Original) A glass according to claim 2 further comprising in mole percent based on oxide:

ZnO	0-5.0
As_2O_3	>0-0.4

20. (Previously Presented) A glass according to claim 1, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2.

21. (Previously Presented) A glass according to claim 4, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2.

22. (Previously Presented) A glass according to claim 7, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2.

23. (Previously Presented) A glass according to claim 8, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2.

24. (Previously Presented) A glass according to claim 9, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2.

25. (Previously Presented) A glass according to claim 10, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2.

26. (Previously Presented) A glass according to claim 12, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2.

Please add the following new claims:

--27. **(New)** An optical glass, comprising in mole percent based on oxide:

SiO_2	55-≤70
PbO	30-38
Na_2O	>0-4.5
K_2O	0-2.5

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

28. **(New)** An optical glass, comprising in mole percent based on oxide:

SiO_2	49-60
PbO	33-45
Na_2O	>0-3.5
K_2O	0-2.5

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

29. **(New)** An optical glass made by adding together and melting, in mole percent:

SiO_2	55-≤70
PbO	30-38
Na_2O	>0-4.5
K_2O	0-2.5

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

30. **(New)** An optical glass made by adding together and melting, in mole percent:

SiO_2	49-60
PbO	33-45
Na_2O	>0-3.5
K_2O	0-2.5

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

31. **(New)** An optical glass, comprising in mole percent based on oxide:

SiO_2	49-$\leq$70
PbO	30-45
Na_2O	0-5
K_2O	0-3
Sum $Na_2O + K_2O$	>0-5
Sum $B_2O_3 + Al_2O_3 + Y_2O_3 + La_2O_3 + ZnO + MoO_3 + TaO_5 + ZrO_2 + WO_3 + In_2O_3$	0-10

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

32. **(New)** An optical glass, comprising in mole percent based on oxide:

SiO_2	49-≤70
PbO	30-45
Na_2O	0-5
K_2O	0-3
Sum $Na_2O + K_2O$	>0-5
Sum $ZrO_2 + Al_2O_3$	>0-8

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.

33. **(New)** An optical glass made by adding together and melting, in mole percent:

SiO_2	49-≤70
PbO	30-45
Na_2O	0-5
K_2O	0-3
Sum $Na_2O + K_2O$	>0-5
Sum $B_2O_3 + Al_2O_3 + Y_2O_3 + La_2O_3 + ZnO + MoO_3 + TaO_5 + ZrO_2 + WO_3 + In_2O_3$	0-5

>0 - 5% Al_2O_3,

>0 - 5% ZrO_2, and

essentially free of TiO_2.--